

BAM-1020 Audit Sheet

Model: **BAM-1020**

Serial Number: **721292**

Audit Date: **2/2/17**

Audited By: **M. Potter**

Flow Audits			
Flow Reference Standard Used:	Model: DeltaCal	Serial No: 146294	Calibration Date: 1/16/16
Temperature Standard Used:	Model: "	Serial No: "	Calibration Date: "
Barometric Pressure Standard Used:	Model: "	Serial No: "	Calibration Date: "

Leak Check Value: as found: **0.5** lpm as left: **0.3** lpm

Ambient Temperature:	as found:	2.7 C	3.2 C	as left:	2.7 C	3.2 C	N/A	<input type="checkbox"/>
Barometric Pressure:	as found:	756.5 mmHg	751 mmHg	as left:	756.5 mmHg	751 mmHg		
Flow Rate (Actual Volumetric):	as found:	16.7 lpm	16.76 lpm	as left:	16.7 lpm	16.76 lpm	N/A	<input type="checkbox"/>
Flow Rate (EPA Standard):	as found:	slpm	slpm	as left:	slpm	slpm	N/A	

Mechanical Audits

Pump muffler unclogged:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	PM10 particle trap clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Sample nozzle clean:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	PM10 drip jar empty:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Tape support vane clean:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	PM10 bug screen clear:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Capstan shaft clean:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	PM2.5 particle trap clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Rubber pinch rollers clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	Inlet tube water-tight seal OK:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	
Chassis ground wire installed:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	Inlet tube perpendicular to BAM:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	

Analog Voltage Output Audit			N/A <input type="checkbox"/>
DAC Test Screen	BAM Voltage Output	Logger Voltage Input	
0.000 Volts	Volts	Volts	
0.500 Volts	Volts	Volts	
1.000 Volts	Volts	Volts	

Membrane Audit	
LAST m (mg):	
ABS (mg):	
Difference (mg):	
% Difference:	

Flow Control Range	
Flow Setpoint	BAM Flow
15.0 LPM	
16.7 LPM	
18.4 LPM	

Setup and Calibration Values								
Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock Time/Date			FLOW TYPE			AP		
RS232 baud			Cv			FRI		
STATION #			Qo			FRh		
RANGE			ABS			Password		
BAM SAMPLE			μ sw			Cycle Mode		
MET SAMPLE			K Factor			RH Control		
OFFSET			BKGD			RH Setpoint		
CONC UNITS			STD TEMP			Datalog RH		
COUNT TIME			HEATER			Delta-T Control		
FLOW RATE			el			Delta-T Setpoint		
CONC TYPE			Errors			Datalog Delta-T		

Last 6 Errors in BAM-1020 Error Log					
Error	Date	Time	Error	Date	Time
1 Maintenance	3/2/17	01:37	4 Maintenance	1/3/17	07:40
2 Maintenance	2/11/17	11:56	5 Maintenance	1/3/17	09:23
3 Maintenance	2/1/17	11:37	6 BAM Cal Membrane %	12/5/16	08:59

Audit Notes: **Date Download: Running on arrival; changed type**
Type Test passed 2X; WeatherMaster Downloaded